

WHAT IS CLAIMED IS:

1. A structure for manufacturing an optical module, comprising:
a bottom surface on which a optical device is mounted; and
outer walls formed at both sides of the bottom surface and making a
5 U-shape together with the bottom surface, and on which holes are formed
respectively so that optical components can be attached in both directions of
the optical device,

wherein light is exchanged between the optical device and the optical
components through the holes.

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2. The structure according to claim 1, wherein the outer walls have a
different size.

3. The structure according to claim 1, wherein the optical device is a
15 tunable laser diode or a tunable filter.

4. The structure according to claim 3, wherein the outer walls have a
different size.

20 5. The structure according to claim 1, wherein the optical component
is a lens or a mirror.

6. The structure according to claim 5, wherein the outer walls have a different size.

7. The structure according to claim 1, wherein the structure is
5 manufactured with a metal, a ceramic, or a polymer.

8. The structure according to claim 7, wherein the outer walls have a different size.

9. The structure according to claim 1, wherein the hole further
10 comprises a ring.

10. The structure according to claim 9, wherein the outer walls have a different size.

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11. The structure according to claim 9, wherein a space is formed between the ring and the holes to make alignment.

12. The structure according to claim 11, wherein the outer walls have
20 a different size.

13. The structure according to claim 1, wherein at least one of the outer walls of the bottom surface has a protrusive shape.

14. The structure according to claim 13, wherein the outer walls have a different size.

5 15. The structure according to claim 1, wherein the holes formed on the outer wall have a different size.

16. The structure according to claim 15, wherein the outer walls have a different size.

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